

AMENDMENTS

IN THE CLAIMS:

- Claim 1. (Currently Cancelled) Coating agents with resin solids comprising
- (a) 10 wt-% to 80 wt-% of a non-aromatic polyester polyol,
 - (b) 0 wt-% to 70 wt-% of at least one constituent selected from the group consisting of hydroxyl-functional binders that are different from polyester polyol (a), hydroxyl-functional reactive thinners and combinations thereof, and
 - (c) 20 wt-% to 60 wt-% of at least one cross-linking agent for the hydroxyl-functional components (a) and (b),
- wherein the polyester polyol (a) is a branched structure having a calculated molecular mass from 600 to 1400, an acid value from 0 to 30 mg KOH/g and a hydroxyl value from 250 to 600 mg KOH/g with a calculated hydroxyl functionality from 4.5 to 10, and is composed of randomly positioned components consisting
- (a1) hydroxyl components comprising 0 wt-% to 20 wt-% of at least one diol and 80 wt-% to 100 wt-% of at least one polyol having 3 to 6 hydroxyl groups,
 - (a2) carboxyl components comprising 0 wt-% to 20 wt-% of at least one monocarboxylic acid and 80 wt-% to 100 wt-% of at least one dicarboxylic acid, and optionally
 - (a3) at least one hydroxycarboxylic acid component,
- the sum of the percentages by weight of components (a) to (c), of components (a1) and of components (a2) being 100% in each case.
- Claim 2. (Currently Cancelled) Coating agents according to claim 1, wherein the polyester polyol (a) comprises 30 wt-% to 60 wt-% of at least one hydroxyl component (a1), 30 wt-% to 70 wt-% of at least one carboxyl component (a2) and 0 wt-% to 10 wt-% of at least one hydroxycarboxylic acid component (a3).

- Claim 3. (Currently Cancelled) Coating agents according to claim 1, wherein the hydroxyl component (a1) consists of at least one (cyclo)aliphatic polyol having 3 to 6 hydroxyl groups.
- Claim 4. (Currently Cancelled) Coating agents according to claim 1, wherein the carboxyl component (a2) consists of at least one dicarboxylic acid.
- Claim 5. (Previously Cancelled) Coating agents according to claim 1, wherein the polyester polyol (a) comprises dimmer fatty acid as one of at least two dicarboxylic acids of the carboxyl component (a2) corresponding to a weight ratio from 5 wt-% to 45 wt-% of dimmer fatty acid and 55 wt-% to 95 wt-% of at least one additional dicarboxylic acid.
- Claim 6. (Currently Cancelled) Coating agents according to claim 1, wherein the cross-linking agent (c) is selected from the group consisting of aminoplastic resins, free polyisocyanates, blocked polyisocyanates, transesterification cross-linking agents or combinations thereof.
- Claim 7. (Currently Cancelled) Coating agents according to claim 1, selected from the group consisting of aqueous coating agents and coating agents based on organic solvents.
- Claim 8. (Withdrawn by the Examiner) A process which comprises applying a multi-layer coating on a substrate using a coating agent according to claim 1 and curing said coating.
- Claim 9. (Withdrawn by the Examiner) A process for forming a coating layer as one coating layer of a multi-layer coating which comprises applying to a substrate a coating layer selected from the group consisting external pigmented top coat layer and transparent clear coat layer, said coating layer being applied from the coating agent according to claim 1 and curing said coating layer.

Claim 10. (Withdrawn by the Examiner) A process according to claim 8, wherein the substrates are substrates selected from the group consisting of automotive bodies and body parts.

Claim 11. (Currently Cancelled) Coating agents with resin solids comprising

- (a) 10 wt-% to 80 wt-% of a non-aromatic polyester polyol,
- (b) 0 wt-% to 70 wt-% of at least one constituent selected from the group consisting of hydroxyl-functional binders that are different from polyester polyol (a), hydroxyl-functional reactive thinners and combinations thereof, and
- (c) 20 wt-% to 60 wt-% of at least one cross-linking agent for the hydroxyl-functional components (a) and (b),

wherein the polyester polyol (a) has a calculated molecular mass from 600 to 1400, an acid value from 0 to 30 mg KOH/g and an hydroxyl value from 250 to 600 mg KOH/g with a calculated hydroxyl functionality from 4.5 to 10, and is composed of components which comprise

- (a1) hydroxyl components comprising 0 wt-% to 20 wt-% of at least one diol and 80 wt-% to 100 wt-% of at least one polyol having 3 to 6 hydroxyl groups,
- (a2) carboxyl components comprising 0 wt-% to 20 wt-% of at least one monocarboxylic acid and 80 wt-% to 100 wt-% of at least two dicarboxylic acids, wherein one of the at least two dicarboxylic acids is dimer fatty acid corresponding to a weight ratio from 5 wt-% to 45 wt-% of dimer fatty acid and 55 wt-% to 95 wt-% of at least one additional dicarboxylic acid and optionally
- (a3) at least one hydroxycarboxylic acid component,

the sum of the percentages by weight of components (a) to (c), of components (a1) and of components (a2) being 100% in each case.

Claim 12. (Currently Added) Coating agents with resin solids comprising

- (a) 10 wt-% to 80 wt-% of a non-aromatic polyester polyol,
- (b) 0 wt-% to 70 wt-% of at least one constituent selected from the group consisting of hydroxyl-functional binders that are different from

polyester polyol (a), hydroxyl-functional reactive thinners and combinations thereof, and

(c) 20 wt-% to 60 wt-% of at least one cross-linking agent for the hydroxyl-functional components (a) and (b),

wherein the polyester polyol (a) is a branched structure having a calculated molecular mass from 600 to 1400, an acid value from 0 to 30 mg KOH/g and a hydroxyl value from 250 to 600 mg KOH/g with a calculated hydroxyl functionality from 4.5 to 10, and is composed of randomly positioned components consisting of

(a1) hydroxyl components comprising 0 wt-% to 20 wt-% of at least one diol and 80 wt-% to 100 wt-% of at least one (cyclo)aliphatic polyol having 3 to 6 hydroxyl groups,

(a2) carboxyl components comprising 0 wt-% to 20 wt-% of at least one monocarboxylic acid and 80 wt-% to 100 wt-% of at least one dicarboxylic acid, and optionally

(a3) at least one hydroxycarboxylic acid component,

the sum of the percentages by weight of components (a) to (c), of components (a1) and of components (a2) being 100% in each case.

Claim 13. (Currently Added) Coating agents according to claim 12, wherein the polyester polyol (a) comprises 30 wt-% to 60 wt-% of at least one hydroxyl component (a1), 30 wt-% to 70 wt-% of at least one carboxyl component (a2) and 0 wt-% to 10 wt-% of at least one hydroxycarboxylic acid component (a3).

Claim 14. (Currently Added) Coating agents according to claim 12, wherein the carboxyl component (a2) consists of at least one dicarboxylic acid.

Claim 15. (Currently Added) Coating agents according to claim 12, wherein the polyester polyol (a) comprises dimer fatty acid as one of at least two dicarboxylic acids of the carboxyl component (a2) corresponding to a weight ratio from 5 wt-% to 45 wt-% of dimer fatty acid and 55 wt-% to 95 wt-% of at least one additional dicarboxylic acid.

- Claim 16. (Currently Added) Coating agents according to claim 12, wherein the cross-linking agent (c) is selected from the group consisting of aminoplastic resins, free polyisocyanates, blocked polyisocyanates, transesterification cross-linking agents or combinations thereof.
- Claim 17. (Currently Added) Coating agents according to claim 12, selected from the group consisting of aqueous coating agents and coating agents based on organic solvents.
- Claim 18. (Currently Added) A process comprising applying a multi-layer coating on a substrate using a coating agent according to claim 12 and curing said coating.
- Claim 19. (Currently Added) A process for forming a coating layer as one coating layer of a multi-layer coating comprising:
- (a) applying to a substrate a coating layer comprising the coating agent of claim 12; and
 - (b) curing said coating layer.
- Claim 20. (Currently Added) The process according to claim 19, wherein the coating layer is selected from the group consisting of an external pigmented top coat layer and transparent clear coat layer.
- Claim 21. (Currently Added) The process according to claim 19, wherein the substrate is provided with a color-imparting and/or special effect-imparting base coat and the coating agent applied thereon as a transparent clear coat.
- Claim 22. (Currently Added) The process according to claim 19, wherein the substrate is selected from the group consisting of automotive bodies and body parts.